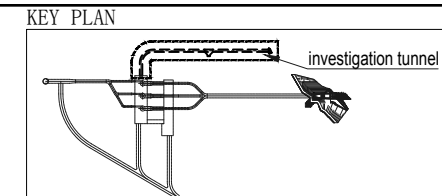
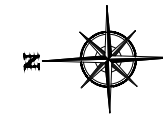
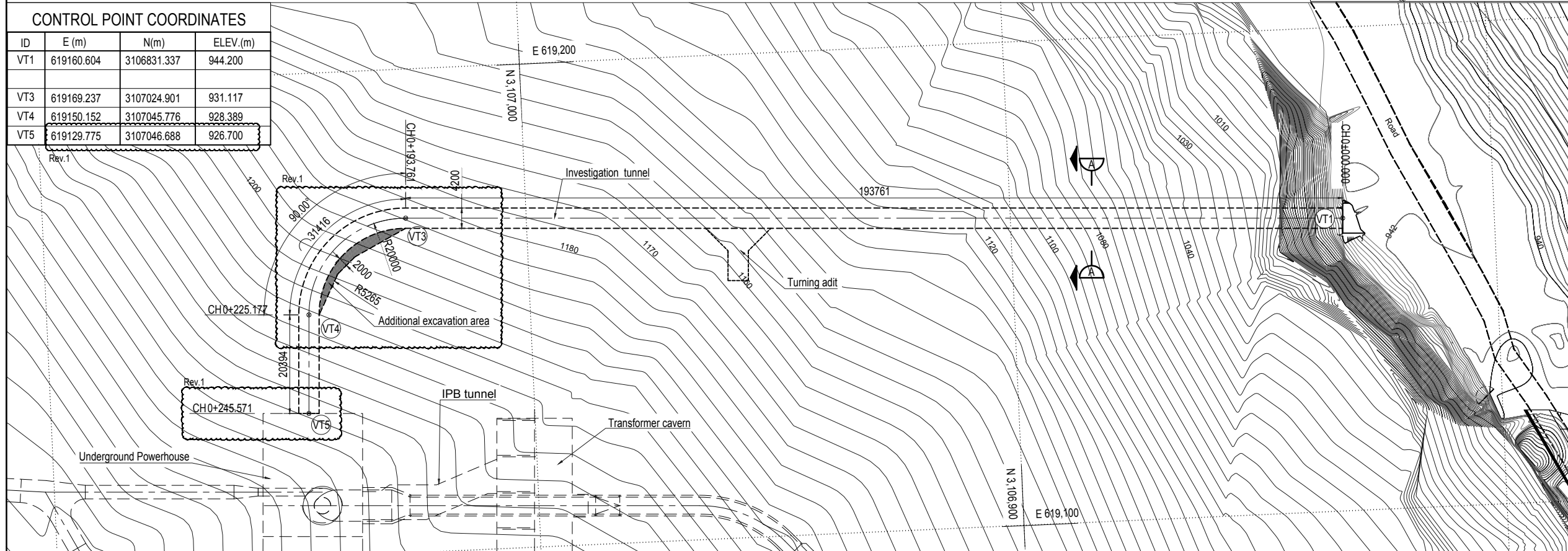


1:500



ID	E (m)	N(m)	ELEV.(m)
VT1	619160.604	3106831.337	944.200
VT3	619169.237	3107024.901	931.117
VT4	619150.152	3107045.776	928.389
VT5	619129.775	3107046.688	926.700



1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2. The end position of the investigation tunnel may be adjusted according to the final position and section size of the powerhouse.
3. The location of the turning adit may be adjusted according to the actual rock conditions.
4. This drawing reflects the current status of the design, the alignment may be adjusted during an optimization process., if it is of benefit to the project.

REFERENCE DRAWINGS

UT1-C-385-CVL-DG-65002-01~02	EXCAVATION AND INITIAL SUPPORT DRAWINGS OF INVESTIGATION TUNNEL FOR POWERHOUSE
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SYMBOL AND LEGEND

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1	04 Jun. 2022	OUT-21	ZHANG JI QIANG	LIU BO	LI WEI GONG WANG HUA HENG
0	17 Nov. 2021	FOR REVIEW	ZHANG JI QIANG	LIU BO	LI WEI GONG WANG HUA HENG
B	10.Oct. 2021	FOR REVIEW	ZHANG JI QIANG	LIU BO	LI WEI GONG WANG HUA HENG
A	25.MAY. 2021	FOR REVIEW	ZHANG JI QIANG	LIU BO	LI WEI GONG WANG HUA HENG
REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER



OWNER'S ENGINEER



CONTRACTOR

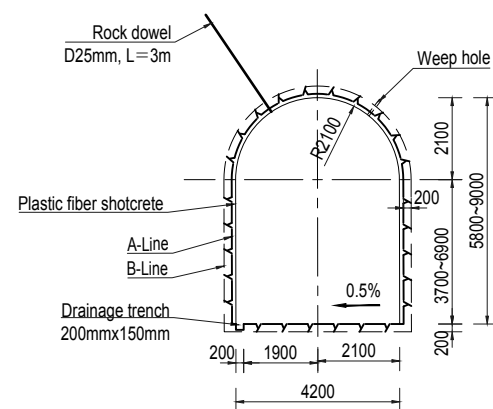
DOOSAN Enerbility

DRAWING TITLE

LAYOUT DRAWINGS OF INVESTIGATION TUNNEL
FOR POWERHOUSE (1/2)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-385-CVL-DG-65001	1 OF 2	1

1:100



Note:

- (1) The typical section indicates a section with the required clear space, only.
- (2) The excavation profile depends on the rock class and the respective support thickness.

OCCURRENCE & MECHANICAL PARAMETER OF JOINTS

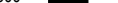
OCCURRENCE & MECHANICAL PARAMETER OF JOINTS								
Joint type	Joint No.	Dip	Dip direction	Discontinuity Frequency	Persistence	C, (MPa)	Φ , (°)	Tunnel direction
foliation	J1	20°	340°	Each of the spacing 0.5–1.0m	30–50m	0.20	35.0	N3° E
lithoclasts cemented	J2	70°	235°	Each of the spacing 2.0–4.0m	15m	0.15	28.8	
	J3	60°	25°	Each of the spacing 2.0–5.0m	15m			
Note:	Parameters are estimates, only, except Dip and Dip Direction,.							

1:500

1. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
2. Other notes see sheet 1.

	Gneiss
	Interbedded mica schist and quartz-schist
	Inferred boundary between moderately weathered and slight weathered
	Joint number and attitude (Dip direction/DIP)
	Fault number and attitude (Dip direction/DIP)
	Inferred lithology boundary
	Excavation line
	Inferred ground water level
	Section of concrete

1:500



0 5 10 15 20 25m

UT1-C-385-CVL-DG-65002-01~02	EXCAVATION AND INITIAL SUPPORT DRAWINGS OF INVESTIGATION TUNNEL FOR POWERHOUSE
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FOR CONSTRUCTION

1	04.Jun., 2022	OUT-21	ZHANG JI QIANG	LIU BO	LI WEI GONG WANG HUA HENG
0	17.Nov., 2021	FOR REVIEW	ZHANG JI QIANG	LIU BO	LI WEI GONG WANG HUA HENG
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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.

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INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-385-CVL-DG-65001	2 OF 2	1

